PANAMA WOODS

With Botanical Material

Collected by G. P. Cooper and G. M. Slater

in Chiriqui, for Yale University School of Forestry

Identified by Paul C. Standley, except those marked SJR.

Yale No.	Col. No.	Common Name	Scientific Name	Family
*10509	156	Cuajada	Vitex Cooperi Standl., Sp.nov.	Verbenaceae
*10510	157	Corrimiento	Citharexylum Cooperi Standl.	"
10511	158	Sequarra	Eugenia Oerstediana Berg.	Myrtaceae
*10512	159	Amarilla, Marion	Bucida Buceras L.	Combretaceae
10513	160	Cero	Rheedia sp.	Guttiferae
*10514	161	Jagua negro	Genipa americana L.	Rubiaceae
*10515	162	Alcabu	Zanthoxylum panamense P. Wils.	Rutaceae
*10516	163	Pienecillo	Apeiba tibourbon Aubl.	Tiliaceae
10517	164	Mameicillo blanco	Guarea chiricana Standl., Sp.nov.	Meliaceae
*10518	165	Colpachi	Croton glabellus L.	Euphorbiaceae
*10519	166	Naranjillo colorado	Heisteria macrophylla Oerst.	Olacaceae
10520	167	Uvre	Oncoba laurina (Presl) Warb.	Flacourtiaceae
10521	168	Souca	Trichilia hirta L. ?	Meliaceae
10522	169	Chutras	Protium sessiliflorum (Rose) Standl.	Burseraceae
*10523	170	Camarón amarillo	?	Sapindaceae
*10524	171	Coloridito	Tovomitopsis (SJR)	Guttiferae
*10525	172	Blancita	Dichapetalum Donnell-Smithii Engl. (Genus new for Panama)	Dichapetalaceae
*10526	173	Paloma	Gilibertia Smithiana Johnston	Araliaceae
10527	174	Lechosa	Trophis longipes Standl., Sp.nov.	Moraceae
*10528	175	Bogamani	Virola merendonis Pittier	Myristicaceae
10529	176	Jagua amarilla	Genipa ?	Rubiaceae
*10530	177	Malageto Prieto	Guatteria Slateri Standl., Sp.nov.	Anonaceae
10531	178	Palo ortigo	Urera elata (Sw.) Griseb.	Urticaceae

Rec'd Nov. 1927

10532	179	Palo santo	Erythrina panamensis Standl.	Leguminosae
10533	180	Cedro grenadine	Cedrela fissilis Vell.	Meliaceae
10534	181	Monka prieto	Cyphomandra heterophylla Donn. Smith	Solanaceae
10535	182	?	Malpighia glabra L.	Malpighiaceae
10536	183	Cero	Symphonia globulifera L.f.	Guttiferae
10537	184	?	Neea amplifolia Donn. Smith (Species new for Panama)	Nyctaginaceae
10538	185	Cañotillo	Piper smilacifolium C. DC.	Piperaceae
10539	186	?	Psychotria grandis Sw.	Rubiaceae
10540	187	Guayaba negro	Hamelia axillaris Sw.	"
10541	188	Morillo	? Trophis ? (SJR)	Moraceae
10543	190	Zapatero	Hieronyma alchorneoides Allem.	Euphorbiaceae
10544	191	Sapo	Grias Fendleri Seem.	Lecythidaceae
10545	192	?	Villaresia longifolia Standl., Sp.nov. (Only one other species known from C. A.)	Icacinaceae
10546	193	?	Psychotria involucrata Sw.	Rubiaceae
10547	194	?	Trichilia polyneura C. DC	Meliaceae
10548	195	Cuajada	Vitex Cooperi Standl., Sp.nov.	Verbenaceae
10549	196	Ule, Caucho, Rubber	Castilla fallax Cook	Moraceae
10550	197	Olivo	Sapium jamaicense Sw.	Euphorbiaceae
10551	198	Ya Ya Blanco	Unonopsis Pittieri Safford	Anonaceae
10552	199	Caraña	Casearia nitida (L.) Jacq.	Flacourtiaceae
10553	200	Fruta del Diable ?	Rauwolfia macrocarpa Standl.,Sp.nov.	Apocynaceae
10554	201	Corrimiente	Citharexylum Cooperi Standl.	Verbenaceae
10556	203	Guava, Bri Bri	Inga spectabilis Willd.	Leguminosae
10557	204	Maria	Calophyllum Rekoi Standl.	Guttiferae
10558	205	?	Ixora rauwolfioides Standl.	Rubiaceae
10559	206	Espavé	Anacardium Rhinocarpus DC.	Anacardiaceae
10560	207	Jobo	Spondias mombin L.	Anacardiaceae
10561	208	Chuchupate	Guarea longipetiola C. DC.	Meliaceae

10562	209	Zapatero	Hieronyma alchorneoides Allem	Euphorbiaceae
10563	210	Guacima	Luehea Seemannii Tr. & Pl.	Tiliaceae
10564	211	Anong or Toreta	Rollinia Jimenezii Safford	Anonaceae
10565	212	Huesito	Trichilia hirta L. ?	Meliaceae
10566	213	Corta Lengua	Casearia sylvestris Sw.	Flacourtiaceae
10567	214	?	Trichilia yzabalana Blake ?	Meliaceae
10568	215	Quira	Andira inermis H.B.K.	Leguminosae
10569	216	Ceiba, Cotton Tree	Ceiba pentandra (L.) Gaertn.	Bombacaceae
10570	217	Alfajeo	Trichilia propinqua (Miq.) C. DC.	Meliaceae
10571	218	Aguacaton	?	Lauraceae
10572	219	Guacima blanca	Goethalsia isthmica Pittier	Tiliaceae
10574	221	Gallote	?	Moraceae (SJR)
10575	222	Mahaguilla	Muntingia calabura L.	Elaeocarpaceae
10576	223	Jobitillo	Phyllanthus conami Sw.	Euphorbiaceae
10577	224	Niguito	Cordia heterophylla R. & S.	Borraginaceae
10578	225	Morcielago	Cornutia grandifolia (S.&C.) Schauer	Verbenaceae
10579	226	Yedi	Cestrum panamense Standl.	Solanaceae
10580	227	Guayaba	Guettarda foliaceae Standl.	Rubiaceae
10581	228	Haguey or Membrillo	Grias Fendleri Seem.	Lecythidaceae
10582	229	Dorita	Guarea chiricana Standl., Sp.nov.	Meliaceae
10583	230	Nispero colorado	Lucuma chiricana Standl., Sp.nov.	Sapotaceae
10584	231	Lagarto or Alcabu	Zanthoxylum panamense P. Wils.	Rutaceae
10585	232	Nispero blanco	? Ficus ? (SJR)	Moraceae ?
10586	233	Cojon de mico	Tabernaemontana grandiflora Jacq.	Apocynaceae
10587	234	?	Sloanea longicuspis Standl.,Sp.nov.	Elaeocarpaceae
10588	235	?	Trichilia montana H.B.K.	Meliaceae
10589	236	Espino	Guettarda foliacea Standl.	Rubiaceae
10590	237	Mora	Chlorophora tinctoria (L.) Gaud.	Moraceae
10592	239	?	Helicostylis latifolia Pittier	Moraceae

10593	240	Alfajeo colorado	Trichilia tuberculata C. DC.	Meliaceae
10594	241	Cuajada	Vitex Cooperi Standl., Sp.nov.	Verbenaceae
10595	242	Cacao cinmarron	Theobroma angustifolium DC.	Sterculiaceae
10596	243	Casique	Ormosia panamensis Benth.	Leguminosae
10597	244	Bobito	?	?
10598	245	Oguito	Ixora rauwolfioides Standl.	Rubiaceae
10599	246	Yuca	?	Bombacaceae ?
10600	247	Caimito, Star Apple	Chrysophyllum cainito L.	Sapotaceae
10601	248	Cierito	Mouriria parvifolia Benth.	Melastomaceae
10602	249	Higueron, Fig	Ficus Tonduzii Standl.	Moraceae
10603	250	Conejo colorado	Trichilia hirta L. ?	Meliaceae
10604	251	Aramilla	?	Leguminosae
10605	252	Cedro real	Cedrela fissilis Vell.	Meliaceae
10606	253	Balsa	Ochroma velutina Rowlee	Bombacaceae
10607	254	Nispero	Lucuma chiricana Standl., Sp.nov.	Sapotaceae
10608	255	Chirco	Thevetia nitida (H.B.K.) A. DC.	Apocynaceae
10609	256	Zapote	Licania platypus (Hemsl.) Fritsch.	Amygdalaceae
10610	257	Bogamani verde	Virola panamensis (Hemsl.) Warb.	Myristicaceae
10611	258	Hagua blanca (or montaña)	Genipa americana L.	Rubiaceae
10612	259	Comida del mono	Protium sessiliflorum (Rose) Standl.	Burseraceae
10613	260	Hagua amarilla	Chimarrhis latifolia Standl.,Sp.nov.	Rubiaceae
10614	261	Sebo, Caopacito	?	?
10615	262	Sigua amarilla	?	Lauraceae
10616	263	Berba	Helicostylis latifolia Pittier	Moraceae
10617	264	Caimito	Chrysophyllum cainito L.	Sapotaceae
10618	265	Arenillo	Andira inermis H.B.K.	Leguminosae
10619	266	Tamarind,Blanco, Iguana	?	Leguminosae
10620	267	Estrella	Crataeva tapia L.	Capparidaceae
10621	268	Roblé	Tabebuia (Tecoma) pentaphylla (L.) Hemsl.	Bignoniaceae

10622	269	Mangle de Agua	Bravaisia integerrima (Spreng.) Standl.	Acanthaceae
10623	270	Papatura blanca	Coccoloba caracasana Meisn.	Polygonaceae
10624	271	Pilón	Hieronyma alchorneoides Allem	Euphorbiaceae
10625	272	Lempa	?	?
10627	274	Mangle colorado	Tovomitopsis (SJR)	Guttiferae
10630	277	Wild Calabash	Enallagma latifolia (Mill.) Small	Bignoniaceae
10631	278	Guayaba agua	Psidium Friedrichsthalianum (Berg.) B. & H.	Myrtaceae
10632	279	Chicharron	?	?
10633	280	?	Dipterodendron costaricense Radlk.	Sapindaceae
10634	281	Sangrillo, Swamp Kaway	? (Pterocarpus?) (SJR)	Leguminosae
10635	282	Cedro Batteo	Carapa Slateri Standl.	Meliaceae
10636	283	Cacao mani	Theobroma purpureum Pittier	Sterculiaceae
10637	284	Guayatil	Genipa Maxonii Standl. (Not Genipa - SJR)	Rubiaceae
(10639)	286	?	?	?
(10640)	287	Coratú	Enterolobium cyclocarpum (Jacq.) Griseb.	Leguminosae
10643	290	Chinaberry	Melia azedarach L.	Meliaceae
10644	291	Palo Blanco	Vernonia patens H.B.K.	Compositae
10645	292	?	Myrcia Oerstediana Berg.	Myrtaceae
10646	293	?	Malpighia glabra L.	Malpighiaceae
10647	294	Arenillo	Andira inermis H.B.K.	Leguminosae
10648	295	?	Hamelia Storkii Standl.	Rubiaceae
10649	296	?	Hamelia magnifolia Wernham	"
10650	297	?	Conostegia sp.	Melastomaceae
10651	298	?	Lycianthes sp. (Very likely new)	Solanaceae
10652	299	?	Psychotria chiapensis Standl.	Rubiaceae
10653	300	?	Cordia nitida Vahl.	Borraginaceae
10654	301	Panamá Wood	Sterculia apetala (Jacq.) Karst.	Sterculiaceae
10656	303	Caña fistula	Cassia ?	Leguminosae

(No wood)	305	Cedro	Cedrela fissilis Vell.	Meliaceae
10658	306	Cedro Cebolla	Cedrela mexicana Roem.	"
10659	307	Muñeca amarillo	Cordia collococca L.	Borraginaceae
(No wood)	308	Bogamani	Virola laevigata Standl., Sp.nov.	Myristicaceae
10660	309	Aguacatón	?	Lauraceae
10661	310	?	Rheedia madruno (H.B.K.) Pl. & Tr.	Guttiferae
10662	311	Guayacán	Tecoma or Tabebuia sp not pentaphylla (SJR)	Bignoniaceae
10663	312	(Manwood) Nispero negro	Minquartia guianensis Aubl.	Olacaceae
10664	I 313	Almacego	Bursera simaruba (L.) Sarg.	Burseraceae
10665	II 314	Toreto	Annona purpurea Moc. & Sessé	Anonaceae
10666	III 315	?	Guazuma ulmifolia Lam.	Sterculiaceae
10667	IV 316	Wild Cherry	Byrsonima crassifolia (L.) DC.	Malpighiaceae
10668	V 317	Lengua de buey	Cordia heterophylla R. & S.	Borraginaceae
10669	VI 318	Aroma	Calliandra Tonduzii Britt. & Rose	Leguminosae

June 25, 1930.

MEMORANDUM FOR PROFESSOR RECORD:

Attached is a list of recent changes in the Liberian collections as received from Dr. Dalziel, Royal Botanic Gardens, Kew. These changes or additions are the result of his visit to the Chevalier collections in the Paris herbarium.

Please note that the Genus Gaertnera is returned to the Loganiaceae where it was originally placed. In the last list of corrections we sent out, this genus was changed to Rubiaceae to agree with the old Kewensis, but it is now known that it should be kept in Loganiaceae.

Dr. Dalziel advises that Anthocleista parviflora Baker is identical to A. nobilis G. Don and the latter name should take precedence.

G. Proctor Cooper III

Changes or Additions in Identifications of Liberian Collections

Yale No.	Col. No.	Previous Identification	Changed to	Family
	33	*Chasalia* sp.	*Chasalia elongata* Hutch. & Dalz. sp. nov.	Rubiaceae
15,132	202	*Gaertnera* sp. (Rubiaceae)	*Gaertnera Cooperi* Hutch. & Moss sp. nov.	Loganiaceae
15,199	287	" " "	" " "	"
15,324	465✓	" " "	" " "	"
15,192	277	*Psychotria longivaginalis*, Schweinf.	*Gaertnera salicifolia* Hutch. & Gillett sp. nov.	"
	300✓	*Strychnos Moloneyi* Bak. ?	*Strychnos Cooperi* Hutch. & Moss sp. nov.	"
15,122	190✓	*Anthocleista parviflora* Bak.	syn. *A. nobilis* G. Don	"
	380✓	" "	" " "	"
15,292	428✓	" "	" " "	"
	355	*Vitex Thonneri* DeWilld. ?	*Vitex rufa* A. Chev.	Verbenacea
15,309	447✓	*Psychotria bullata* Hutch. & Dalz. sp. nov.	*Psychotria rufipila* A. Chev.	Rubiaceae

Yale School of Forestry,
New Haven, Conn

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LIST OF CHANGES IN DETERMINATIONS OF YALE-FIRESTONE LIBERIAN SPECIMENS

RECEIVED AFTER DUPLICATES WERE DISTRIBUTED

Yale No.	Col. No.	Original	Changed to
13,700	48	Urophyllum micranthum Hiern.	Urophyllum Afzelii Hiern.
13,725	75	Placodiscus pseudostipularis Radlk.	Possibly new genus, Sapindaceae.
13,738	88	Vitex sp.	Oldfeldia africana Benth. & Hook.f.
13,740	90	Randia sp.	Aulocalyx brevilobus Hutch. & Dalz., sp. nov.
13,761	111	Vitex sp.	Oldfeldia africana Benth. & Hook.f.
13,785	142	Randia sp.	Aulocalyx brevilobus Hutch. & Dalz., sp. nov.
15,134	205	Urophyllum sp. nov.	Urophyllum stipulosum Hutch. & Dalz., sp. nov.
	220	Bonamia auriculata Benth.	Bonamia cymosa Hall.f.
15,173	256	Oxystigma sp., near O. Mannii	Oxystigma Stapfiana A. Chev.
15,179	264	?	Scaphopetalum amoenum A. Chev.
15,193	277	Psychotria sp.	Psychotria longivaginalis Schweinf.
15,196	282	?	Chrysophyllum sp.
15,207	295	Vitex sp.	Oldfeldia africana Benth. & Hook.f.
	306	Stenanthera hamata Engl. & Diels.	syn. Stenanthera bakuana A. Chev.
15,226	319	Vitex sp.	Oldfeldia africana Benth. & Hook.f.
15,250	344	Vitex sp.	Oldfeldia africana Benth. & Hook.f.
	355	Vitex Thonneri De Willd. ?	Vitex sp.,cf. V. Thonneri De Willd.
15,264	372	?	Xylopia Quintasii Engl. & Diels.
	377	?	Tetrorchidium didymostemon Pax.& Hoffm.
	381	?	Ficus Vogeliana Miq.
	389	Canthium macrophyllum K. Schum.	Canthium setosum Hiern. syn.
15,282	415	Trichilia Heudelotii Planch.	Trichilia sp. nov.
	416	Stenanthera bakuana A. Chev.	syn. Stenanthera hamata Engl.& Diels.
15,302	439	?	Oldfeldia africana Benth. & Hook.f.
15,309	447	Psychotria reptans Benth.	Psychotria bullata Hutch. & Dalz.

LIST OF CHANGES IN DETERMINATIONS OF YALE-FIRESTONE LIBERIAN SPECIMENS

RECEIVED AFTER DUPLICATES WERE DISTRIBUTED

Yale No.	Col. No.	Original	Changed to
13,749	99	?	*Rinorea* sp.
13,759	109	*Uapaca togoensis* Pax.	*Protomegabaria Stapfiana* Hutch.
13,779	129	*Diospyros* sp. nov.	*Diospyros Thomasii* Hutch. & Dalz.
13,780	130	*Diospyros* sp.	*Diospyros Linderi* Hutch. & Dalz.
15,107	172	*Conopharyngia* sp.	*Voacanga obtusa* K. Schum.
15,330	261	*Diospyros sp.* prob. sp. nov	*Diospyros Thomasii* Hutch. & Dalz.
15,199	287	*Psychotria* sp.	*Gaertnera* sp.
	378	*Diospyros* sp. nov.	*Diospyros Thomasii* Hutch. & Dalz.
15,282	415	*Trichilia* sp. nov.	*Guarea* sp.
15,294	430	?	*Cleistopholis patens* Benth.
15,324	465	*Psychotria* sp.	*Gaertnera* sp.

5